

4.2.B. 08010211040.

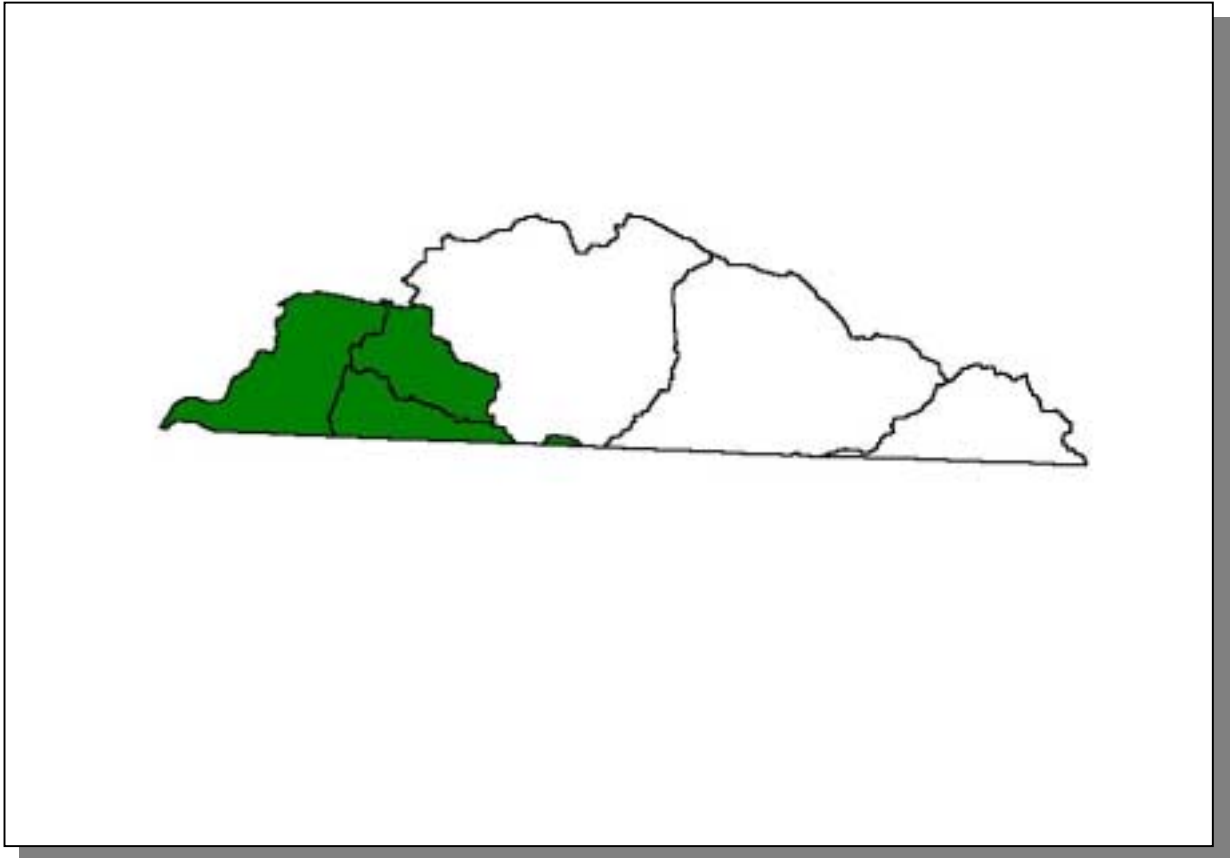


Figure 4-11. Location of Subwatershed 08010211040. All Nonconnah HUC-14 subwatershed boundaries are shown for reference.

4.2.B.i. General Description.

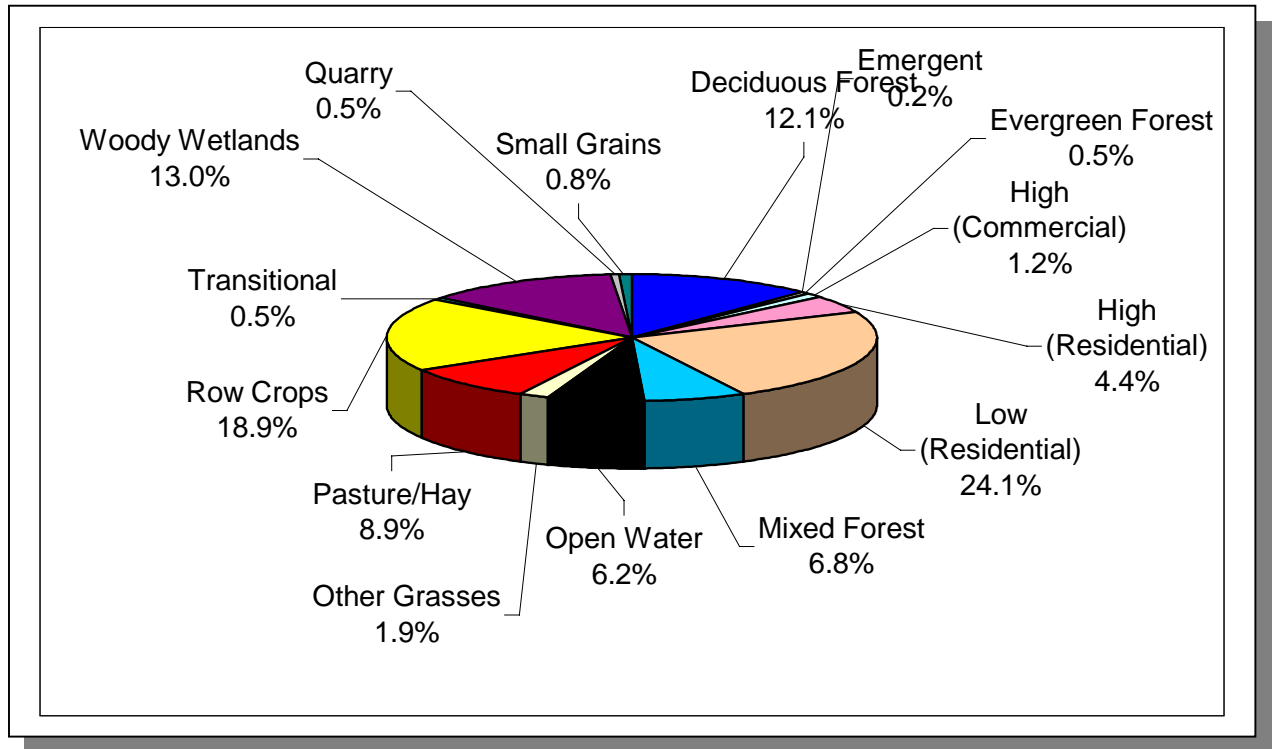


Figure 4-12. Land Use Distribution in Subwatershed 08010211040. More information is provided in Nonconnah-Appendix IV.

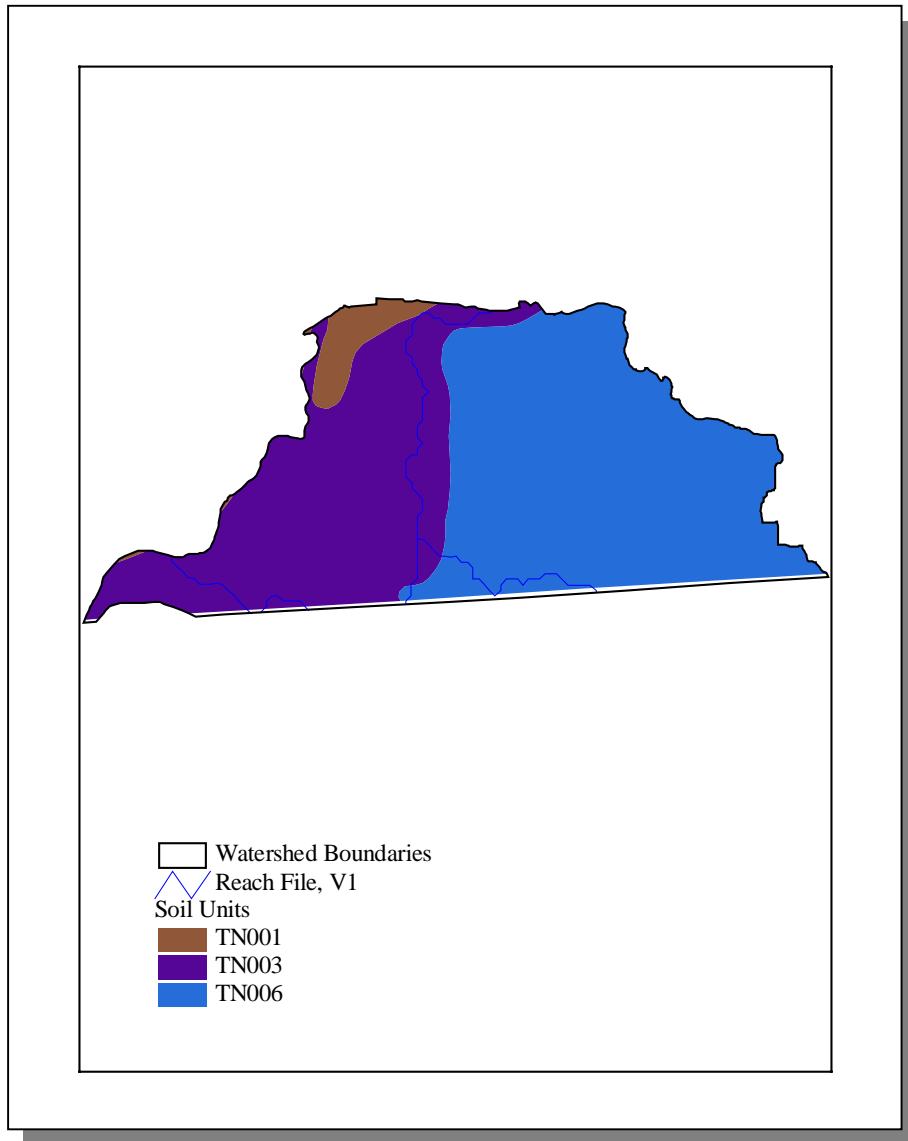


Figure 4-13. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010211040.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN001	14.00	C	2.31	7.00	Silty Loam	0.33
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN006	0.00	C	1.30	5.42	Silty Loam	0.48

Table 4-12. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010211040. More information is provided in Nonconnah-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Shelby	826,330	865,318	5.3	43,798	45,865	4.7

Table 4-13. Population Estimates in Subwatershed 08010211040.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Memphis	Shelby	610,337	248,573	247,138	793	642

Table 4-14. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010211040.

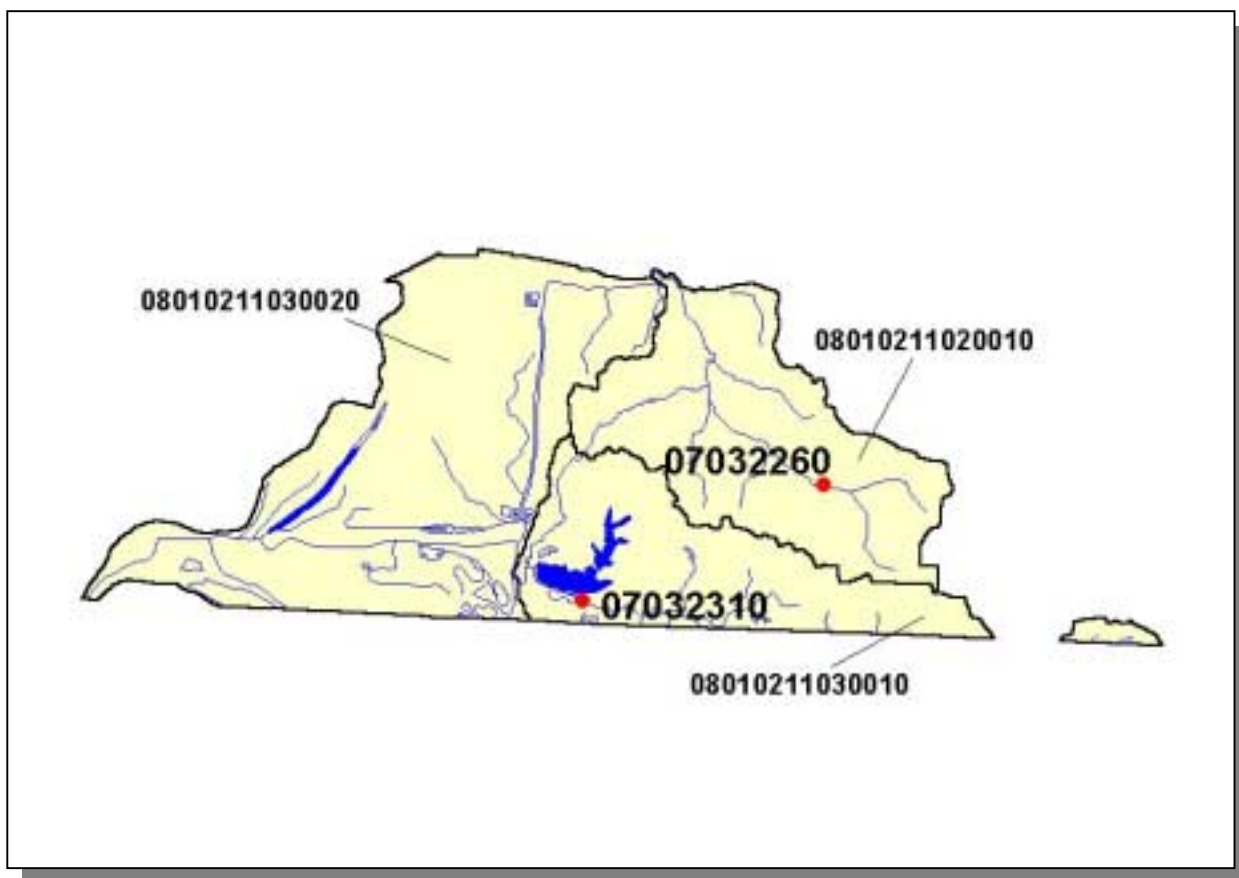


Figure 4-14. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010211040. Subwatershed 08010211020010, 08010211030010, and 08010211030020 boundaries are shown for reference. More information is provided in Nonconnah-Appendix IV.

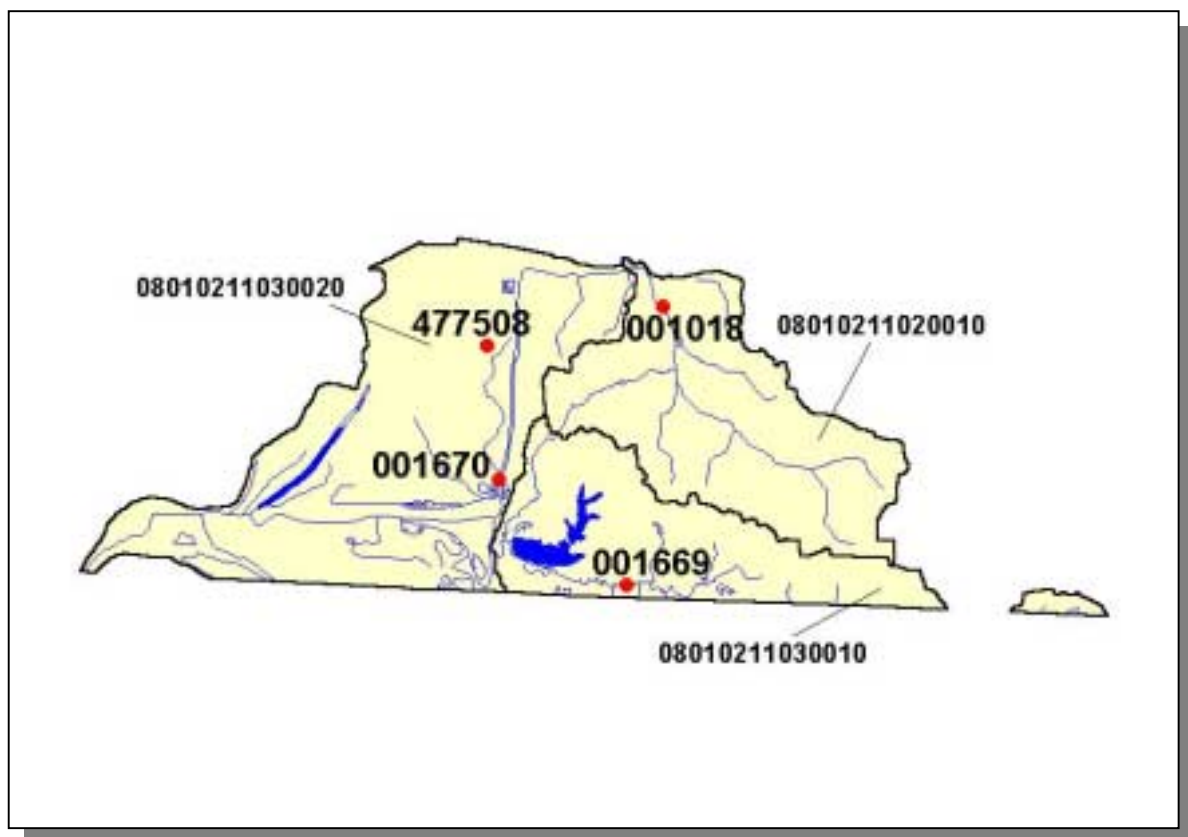


Figure 4-15. Location of STORET Monitoring Sites in Subwatershed 08010211040. Subwatershed 08010211020010, 08010211030010, and 08010211030020 boundaries are shown for reference. More information is provided in Nonconnah-Appendix IV.

4.2.B.ii. Point Source Contributions.

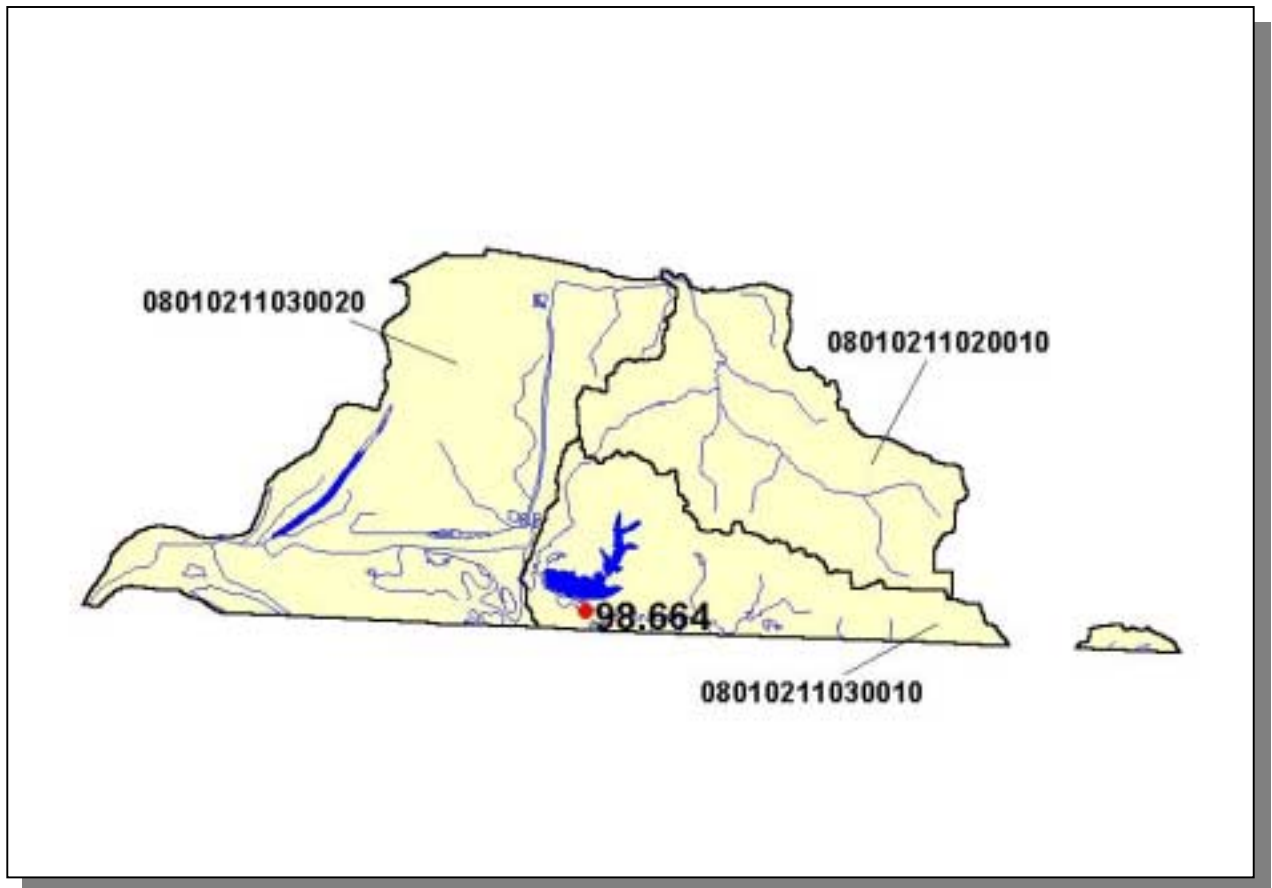


Figure 4-16. Location of ARAP Sites (Individual Permits) in Subwatershed 08010211040. Subwatershed 08010211020010, 08010211030010, and 08010211030020 boundaries are shown for reference. More information is provided in Nonconnah-Appendix IV.

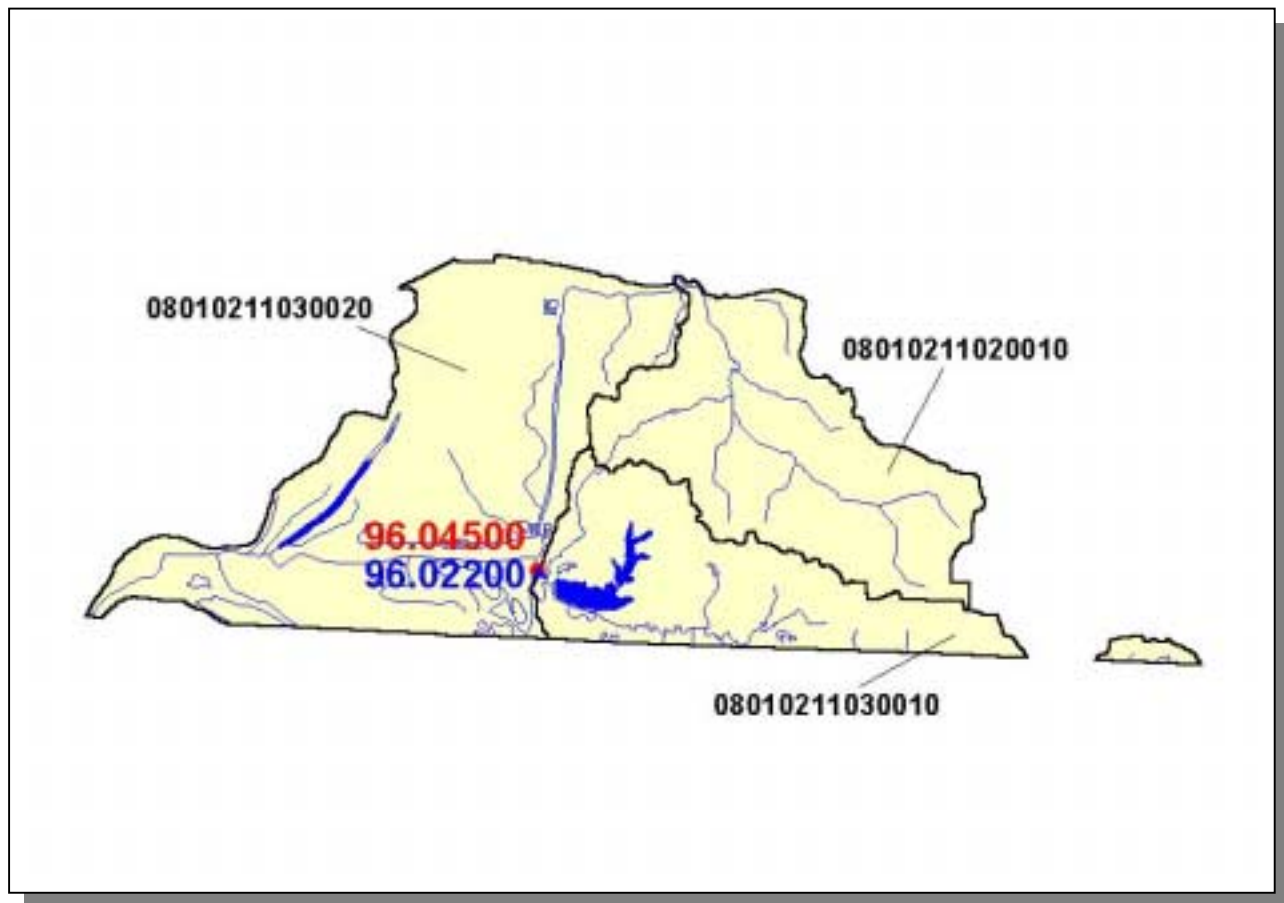


Figure 4-17. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010211040. Impact (Blue Triangle) and mitigation (Red Circle) sites are from ARAP database. Subwatershed 08010211020010, 08010211030010, and 08010211030020 boundaries are shown for reference. More information is provided in Nonconnah-Appendix IV.

4.2.B.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
578	1,013	7	<5	35	17

Table 4-15. Summary of Livestock Count Estimates in Subwatershed 08010211040. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Shelby	111.6	111.6	0	0

Table 4-16. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010211040.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	5.91
Soybeans (Row Crops)	12.07
Cotton (Row Crops)	10.64
Other Cropland not Planted	8.41
Grass (Pastureland)	0.36
Forest Land (Not Grazed)	0.00
Non Agricultural Land Use	0.00
Sorghum (Row Crops)	4.91
Other Vegetable and Truck Crop	5.87
Wheat (Close Grown Cropland)	4.24
Grass (Hayland)	0.09
Legume (Hayland)	4.49
Summer Fallow (Other Cropland)	12.43
Grass, Forbs, Legumes (Mixed Pasture)	0.23
Farmsteads and Ranch Headquarters	0.45
Conservation Reserve Program Land	0.79
Forest Land (Grazed)	0.00

Table 4-17. Annual Estimated Total Soil Loss in Subwatershed 08010211040.